

# ***NEW JERSEY TURNPIKE AUTHORITY***

September 22, 2004

TO: All Concerned

RE: Expression of Interest  
Order for Professional Services No. 2069  
Operation, Maintenance and Monitoring of Remediation Systems at  
William Halsey Service Area 11N and Vince Lombardi Service Area 13

The Authority has received several inquiries regarding the referenced Expression of Interest Solicitation. The following is a list of questions with a brief explanation and/or clarification.

## **GENERAL**

- Will work at both sites be awarded to one consultant?  
Yes, Order for Professional Services No. 2069 will be awarded for both sites.
- Can mileage, tolls, field equipment and company truck rentals be charged to the project?  
No, these items may not be expensed to the project.
- Can consumables such as bag filters and granulated activated carbon required for operating the treatment systems be charged to the project?  
Yes, these items may be billed as a direct expense.
- Will the Authority provide the NJDEP Remedial Action Workplan approval letter and related correspondence/documents related to the sites?  
This information was provided during the document review period, and will be provided to the successful proposer.
- Are O & M manuals available for both sites?  
This information was provided during the document review period. The manuals are located at each site and will be provided to the successful proposer.
- Can we get copies of the project documents prior to submitting an EOI?  
This information was provided during the document review period.

- What are the groundwater sampling analytical requirements from the on-site wells and piezometers? Will all wells and piezometers be sampled?  
This information was provided during the document review period.
- Are there any requirements to sample the soil from either site on an annual basis?  
This information was provided during the document review period.
- Will the Authority arrange for a treatment system overview for both sites performed by the current consultant prior to the Notice To Proceed?  
The existing operator will provide a system overview for each site prior to system turnover.
- Who are the incumbent consultants and how long have they been operating the systems?  
Brinkerhoff Environmental Services has been operating the systems at both sites since January/February 2002.
- Is there any requirement for lead or groundwater sampling?  
This information was provided during the document review period.
- What is the operating system software used by the Authority?  
The Authority uses Windows XP Professional 2002, Microsoft Office 2003. The Design Guide for CADD Files can be found on the Authority's web site under the Business Center, Additional Engineering Guides & Information, Supplemental Forms.
- Would the Authority agree to the inclusion in this OPS of a clause that limits the financial liability of the professional consultant to the specific dollar amount of \$ Five (5) Million?  
The Authority will not modify its insurance requirements.

## **SERVICE AREA 11N**

- Does the consultant order process water bag filters for replacement?  
The process water bag filters will be purchased by the consultant and invoiced as a reimbursable expense.
- Is free product (when encountered) removed from wells using hand bailers, or by some other means?  
Free product, when encountered, is removed with sorbant socks.
- Does the consultant arrange for disposal of the contents of the oil/water separator overflow tank?  
The consultant arranges for disposal of the contents of the oil/water separator overflow tank through the Authority.

- How many SVE and AS wells are at the site?  
This information was provided during the document review period.
- The Scope of Work states "... Consultant shall check all wells for floating product on a monthly basis. " How many wells are there? Are they limited to the 19 wells indicated in the most recent Remedial Action Progress Report?  
There are a total of 18 wells that are checked for monthly for floating product.
- Approximately how much LNAPL is currently recovered at the site per quarter?  
Approximately 0.015 lbs. per quart is recovered.
- Has the contamination been vertically delineated below the meadow mat, as required by the NJDEP RAW approval? If so, are concentrations in the lower aquifer below NJDEP GWQS?  
Contamination has been vertically delineated. Concentrations in the lower aquifer are below NJDEP GWQS
- Does any PCB remain in soil or groundwater at the site above soil or groundwater cleanup criteria?  
July sampling results for PCB was non-detect.
- How many monitoring wells contain free product?  
This information was provided during the document review period.
- Does NJDEP agree that hydraulic control of this site has been achieved?  
Yes, hydraulic control has been achieved.
- Does NJDEP require any additional investigative work at the site? If so, what is their rationale?  
No additional work is required.
- Is the horizontal and vertical extent of contamination complete?  
The full extent of contamination has been delineated.
- Are there, or have there ever been any regulatory/ permit violations? If so, what was the nature of the violation?  
There have been no permit violations.
- Which wells are the recovery wells?  
The recovery wells, P1, T1 & T2, are located in the extraction trench.
- The Air Permits were not included in the material available for review. What are the regulatory requirements/ conditions for the Air Permit?  
The permit requires monthly sampling of the influent and effluent with summa canisters for BTEX, MTBE, TBA and TPHC.

- Did the Cat-ox receive any manufacturer representative service or other major service in 2003-2004?  
Global Technologies services the Cat-ox unit late spring 2003.
- Was the data logger for the continuous flow meter added to the groundwater remediation system, in accordance with the JMEUC permit? If not, is it required to be installed?  
The data logger was added to the remediation system in accordance with JMEUC permit requirements.

### **SERVICE AREA 13**

- The EOI Scope of Work indicates 33 wells and 15 PZs are sampled semi-annually. Please specify the number of monitoring wells and piezometers sampled at each event.  
This information was provided during the document review period.
- What is the diameter of the 15 site piezometers?  
The piezometers have a 1" diameter.
- Is there any basement or subsurface utility monitoring conducted for the biosparge system?  
None is required.
- It is our understanding that the air stripping has been eliminated. Has the sequestering agent treatment step also been eliminated?  
The sequestering agent treatment has not been eliminated.
- Is the discharge to the BCUA from the recovery trenches, or does it include water from product recovery wells?  
The discharge is from the recovery trenches.
- Where are the influent water samples collected (before oil/water separator)? Are individual recovery wells sampled (as the EOI seems to indicate)? Is there another sample collected from each recovery trench? Where is the effluent sample collected – after the separator?  
Just the effluent is sampled after the air stripper.
- Does any PCB remain in the soil or groundwater above soil or groundwater cleanup criteria?  
We do not sample for PCB at the site.
- Are there seep or surface water sampling requirements associated with the downgradient tidal creek?  
Seep and surface water sampling is not required.
- How many monitoring wells contain free product?  
This information was provided during the document review period.

- What is the volume pumped from PRW-1, PRW-2 and PRW-3 in the trenches?  
An average of 1,000 gallons per day is pumped from the trenches. PRW-1, PRW-2 and PRW-3 are inactive total fluid recovery pumps.
- Are the total fluids pumps still present in the wells? Why are the wells bailed?  
The pumps are in the wells but have been disconnected. Product is removed with sorbant socks.
- Are there, or have there ever been any regulatory/ permit violations? If so, what was the nature of the violation?  
There have been no permit violations.
- Are there three (3) sumps and extractor pumps in each of the two (2) trenches?  
There are a total of three (3) sumps in the two (2) trenches, two (2) sumps in the east trench and one (1) in the west trench.
- What is defined as a "regular" basis for checking the oil/water separator and recovery wells?  
A "regular" basis is defined as a weekly basis.
- If free product is encountered in the recovery wells, is it to be hand bailed or removed in another fashion?  
Sorbant socks should be used to address free product found in any wells.
- Are the influent samples to be collected from groundwater recovery wells three (3) individual samples or composite from the three (3) wells?  
The samples are three (3) individual samples.
- How are emissions from the biosparge system monitored? Head space monitoring only? What parameters?  
Emissions are monitored for O<sub>2</sub>, CO<sub>2</sub> and LEL with a PID and OVM meters.
- How many soil-gas vapor points are to be monitored monthly for O<sub>2</sub>, CO<sub>2</sub> and LEL readings?  
G-2 through G-5 are the primary points.
- Are the soil-gas vapor points permanent sampling points or do the locations change for each round?  
The soil-gas vapor sampling points remain the same.
- Does the consultant place bottle orders and sample pick-up from the Authority's contract laboratory?  
Yes, these arrangements are made directly with the laboratory.

- Is the horizontal and vertical extent of contamination complete? Does the NJDEP require any additional investigative work? Does the NJDEP agree that hydraulic control has been achieved?

Recently the NJDEP has requested installation of an additional monitoring well to confirm horizontal and vertical delineation and hydraulic control.

Very truly yours,

Lee E. Oakland  
Manager, Environmental  
Quality & Resources